AMENDMENTS TO THE CLAIMS

Please cancel claim 12 and amend claims 1-11 and 13-20 as follows. Following is a complete listing of the pending claims.

- 1. (Currently Amended) A coupling device for a shaft, comprising:
- a coupling disk associated with coupled to an out-extending shaft;
- a disk connected with coupled to an external force member;
- a first concave-convex assembly which is press engaged with said the disk and has a first helicoid engaging surface;
- a second concave-convex assembly which is engaged with said the coupling disk and has a second helicoid engaging surface engaged with the first helicoid engaging surface; and
- a force generating source member provided between said the coupling disk and said the disk, characterized in that wherein:
 - <u>positioned</u> to be a-pressed against and engaged with each other, and wherein at least one of the first and second concave-convex assemblies is movable relative to the other to effect a engagement arrangement in which rotational angular displacement and <u>an</u> axial displacement relative to each the other is operable;
 - said the first concave-convex assembly and said the disk are configured positioned to be an axial press engagement arrangement in which pressed against and engaged with each other, with at least one of the first concave-convex assembly and the disk being movable relative to the other to effect a rotational sliding angular displacement between said the first concave-convex assembly and said the disk relative to each other is operable:

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an external force association member is provided positioned between said the first concave-convex assembly and an external force member, and said the external force association member and said the first concave-convex assembly are configured positioned to be pressed against and engaged with each other in a radial press engagement arrangement in which an direction, and wherein at least one of the external force association member and the first concave-convex assembly is movable relative to the other to effect an axial sliding displacement between said the external force association member and said the first concave-convex assembly relative to each other is operable; and

said concave-convex assembly is mounted on said coupling disk, and two ends of said force generating source member are connected with said coupling disk and said disk;

upon action of said_the_force generating source member, said_the_disk is associated_coupled_with said_the_out-extending shaft through said_via the_coupling disk so that said_the_external force member and said_the out-extending shaft are associated_coupled.

2. (Currently Amended) The coupling device for a shaft according to of claim 1, further comprising:

a friction block provided between said-the coupling disk and said-the disk; and a retaining member which is coupled with said friction block, wherein: friction surfaces respectively extending from said-the coupling disk and said-the disk are engage-engagable with said-the friction block.

3. (Currently Amended) The coupling device for a shaft according to of claim 2, wherein:

said the friction surfaces include an inner disk body and an outer friction ring, wherein:

said the inner disk body and said the outer friction ring are provided therein with an outer threaded block, a compensation spring and a key pin.

- 4. (Currently Amended) The coupling device for a shaft according to of claim 12, wherein:
 - said-the first and second concave-convex assemblies are supported on a left end plate and a right end plate of said-the retaining member through bearings, respectively.
- 5. (Currently Amended) The coupling device for a shaft according to of claim 4, wherein:

said-the second concave-convex assembly is provided with an inner brake ring.

- 6. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - said-the first and second concave-convex assemblies are provided with an insert rod and insert slot which correspond to each other so as to be locked with each other, and said-the insert rod is mounted inside an outer threaded sleeve of a release-ensuring frame;
 - one end of a release-ensuring spring is connected with a plug of said-the insert rod, and the other end of said-the release-ensuring spring is connected with a cap;
 - inner threads of said-the cap are connected with said-the outer threaded sleeve, and said-the insert rod passes through a hole of said-the cap so as to be connected with a centrifugal cap.

- 7. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - said the coupling disk is assembled coupled to said the out-extending shaft through a shaft coupling member.
- 8. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - said the first concave-convex assembly and said the external force association member are configured positioned to be engaged with each other through via an outer spline and an inner spline.
- 9. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:

said-the force generating source member comprises a press spring.

- 10. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - a friction member is provided between said-the first concave-convex assembly and said-the external force association member; and
 - said the friction member is engages engagable with said the first concave-convex assembly and said the external force association member, respectively.
- 11. (Currently Amended) The coupling device for a shaft-according to of claim 10, wherein:
 - said the friction transmission member is provided between said the first concaveconvex assembly and said friction member; and
 - said the friction transmission member engages with said the first concave-convex assembly and said the friction member respectively.

- 12. (Cancelled)
- 13. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:

said-the disk includes a release-ensuring frame projectinged from therefrom;

- said the first concave-convex assembly includes a cylindrical sleeve which is fitted over thereon; and
- a locking member (a) is fixedly engaged with said-the release-ensuring frame and said-the cylindrical sleeve so that relative rotational movement between said the first and second concave-convex assemblies is locked.
- 14. (Currently Amended) The coupling device for a shaft according to of claim 8, wherein:
 - said the first concave-convex assembly is provided with an coupled to the inner spline so as to engage with an outer spline provided on said and the second concave-convex assembly is coupled to the outer spline.
- 15. (Currently Amended) The coupling device for a shaft according to of claim 3, wherein:
 - said the outer friction ring engages with a right further friction ring through said via the key pin, and said right friction ring is associated with said friction ring.
- 16. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - a pull rod is mounted on said-the coupling disk and passes through a circular hole of said-the disk so as to be associated with said-coupled to the disk.

- 17. (Currently Amended) The coupling device for a shaft according to of claim 9, wherein:
 - a pull rod is mounted on said the coupling disk and passes through a circular hole of said the disk so as to be associated with said coupled to the disk.
- 18. (Currently Amended) The coupling device for a shaft according to of claim 17, wherein:
 - said-the press spring is fitted over said-the pull rod, wherein:

 one end of said-the press spring is pressed against and mounted on said-the disk, and the other end of said-the press spring is mounted on said-the pull rod.
- 19. (Currently Amended) The coupling device for a shaft according to of claim 2, wherein:
 - said the retaining member is mounted on a relatively movable object so as to achieve a coupling clutch function.
- 20. (Currently Amended) The coupling device for a shaft according to of claim 2, wherein:
 - said-the retaining member is mounted on a relatively static object so as to achieve a coupling brake function.